## CLAIM AMENDMENTS

1. (currently amended)    A method for performing an input/output (I/O) operation in a computer between an I/O-initiating subsystem and a device through a hardware memory, in which:

the memory is arranged into portions that are separately addressable using first identifiers that are represented using a first number of address bits;

for the I/O operation, the device accesses a first space of the memory using a second number of address bits;

the subsystem addresses I/O requests to a second space of the memory using second identifiers that are represented using a second number of bits;

the method comprising the following steps:

initially mapping the second identifiers to respective first identifiers  that identify portions of the memory in the second memory space; and

for any I/O request that meets a remapping criterion, remapping  the corresponding second identifier to one of the first identifiers that identifies a portion of the memory in the first space of the memory;

in which the second space is different from the first space and the second number of address bits is greater less than the first number of address bits.

2. (original)   A method as in claim 1, further comprising generating each first identifier to have a subset of bits identical to corresponding bits of the second identifier during remapping.

3. (currently amended)   A method as in claim 1, further comprising, for any I/O request that fails to meet the remapping criterion, creating a new copy of the data set in the a buffer upon each instance of the I/O request.

Art unit: 2182
Serial no.: 10/827,475

3

VMware17C1
Amendment

1          4. (original)  A method as in claim 1, further comprising, for each second
2    identifier that is currently mapped into the first space of the memory and that meets a
3    remapping condition, again mapping the second identifier into the second space of the
4    memory.


1          5. (original)  A method as in claim 4, further comprising the step of freeing for
2    reallocation the portion of the memory in the first space to which the second identifier
3    had previously been remapped.


Art unit: 2182                                      4                          VMware17C1
Serial no.: 10/827,475                                                         Amendment